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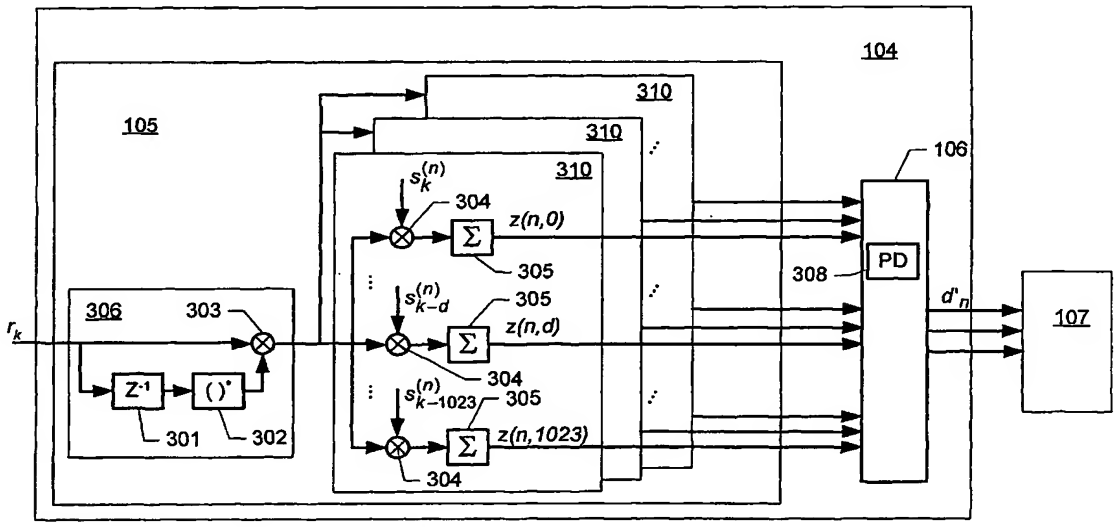
(54) Title: GPS RECEIVER USING DIFFERENTIAL CORRELATION



(57) Abstract: A method of detecting a spreading code of a received spread-spectrum signal, in particular a spreading code identifying a space vehicle of a GPS system. The method comprises correlating the received spread-spectrum signal with a reference signal to detect the presence of one of a number of reference spreading codes. The correlating further comprises differentiating at least one of the received spread-spectrum signal, the reference signal, and the correlation signal, the correlating resulting in a differentiated correlation signal.

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